



April 9, 2012

INFILTRATOR SYSTEMS INC.  
GOVERNMENT AFFAIRS DEPARTMENT  
4 BUSINESS PARK RD  
PO BOX 768  
OLD SAYBROOK CT 06475

Re: Description: SEWAGE TANKS, POLYETHYLENE  
Manufacturer: INFILTRATOR SYSTEMS INC.  
Product Name: SEPTIC, SEPTIC/SEPTIC, SEPTIC/PUMP, PUMP, HOLDING  
Model Number(s): TW-1050  
[39.75 IN. L.L.; 48 IN. MAX. DEPTH OF BURY; 583 G.P.D. WHEN USED AS A SEPTIC  
TANK, 378 G.P.D. WHEN USED AS A SEPTIC/PUMP TANK BASED ON A 3 YR.  
SERVICE INTERVAL FOR RESIDENTIAL WASTEWATER; FOR TANK CAPACITY PER  
INCH SEE TABLE 1.]

**Product File No: 20120147**

The specifications and/or plans for this plumbing product have been reviewed and determined to be in compliance with chapters SPS 382 through 384, Wisconsin Administrative Code, and Chapters 145 and 160, Wisconsin Statutes.

The Department hereby issues an approval based on the Wisconsin Statutes and the Wisconsin Administrative Code. **This approval is valid until the end of AUGUST 2013.**

This approval is contingent upon compliance with the following stipulation(s):

- This tank must be designed to withstand the pressures to which it will be subjected.
- The manufacturer must keep at the manufacturing plant a set of plans and specifications bearing the department's stamp of approval. The plans and specifications must be open to inspection by an authorized representative of the department.
- Installation and servicing of this product must be in accordance with the manufacturer's instructions. A copy of the manufacturer's installation and servicing instructions must be given to the owner of the system.
- When this product receives wastewater from dwellings and is used as a septic tank, it will produce an effluent quality with a maximum monthly average value for BOD5 of greater than 30 mg/L and less than or equal to 220 mg/L TSS, or greater than 30 mg/L or less than or equal to 150 mg/L TSS, and F.O.G. of less than 30 mg/L.
- Before this product is installed a warning label meeting the requirement of SPS s. 384.25(8)(b), Wis. Admin. Code must be securely attached to the manhole cover.

- Table 1- Capacity Chart  
TW- 1050  
Total Liquid Volume in Tank at Indicated Height

Inches	Total Volume (gals.)	First Comp. Volume (gal.)	Second Comp. Volume (gal.)
0	0	0	0
1	11	7	4
2	25	16	9
3	48	31	17
4	72	47	25
5	97	63	34
6	122	79	43
7	147	96	52
8	173	113	61
9	199	129	70
10	225	147	79
11	252	164	88
12	279	181	98
13	306	199	107
14	333	216	117
15	360	234	126
16	388	252	136
17	416	270	146
18	444	289	155
19	473	307	165
20	501	326	175
21	530	345	186
22	560	364	196
23	591	384	207
24	622	405	218
25	653	424	228
26	682	443	239
27	711	462	249
28	739	480	259
29	767	499	268
30	795	517	278
31	823	535	288
32	850	552	297
33	877	570	307
34	903	587	316
35	930	604	325
36	956	621	334
37	981	638	343
38	1,006	654	352
39	1,029	669	360
40	1,055	686	369
41	1,076	699	377
42	1,098	714	384
43	1,120	728	392
44	1,142	742	400
45	1,162	755	407
46	1,177	765	412
47	1,191	774	417
48	1,201	780	420
49	1,217	791	426

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Note: Height measured from inside surface at bottom of corrugation in tank.

- This product is approved to use the following:
  - The tank provides 3 ports at each end (2 on sides and one on end) for inlet or outlet piping, depending upon the configuration of the site.
  - Inlet and outlet pipe diameter is 4 inches for the inlet and outlet. The pipe can be Schedule 40 or SDR 35.
  - Department approved effluent filter installed in accordance with the product approval for the filter including a properly sized and located access opening for service and maintenance.
  - Inlet/outlet pipe water tightness is provided through the use of a rubber gasket, Serco Septic-Tite gasket. A detail of the tank wall penetration is provided in the installation instructions
  - Mechanisms for pump electrical connections from riser lid or other locations through the riser must be completed in conformance with the riser manufacturer's installation instructions.
  - Compatible risers include 24-inch-diameter riser products from Polylok®, Inc., Tuf-Tite® Corporation, EZ SET, and IPEX (Ultra Rib), in addition to 24-inch-diameter corrugated pipe. Maximum riser height is per the riser manufacturer's installation instructions.
- Tank bedding shall consist of native soil (without rocks/protrusions).or a minimum of 4 inches of granular material – pea stone, sand, or gravel. Anchoring required if shallow depth to groundwater may result in 18-inch rise.
- Additional information is included as attachment(s) to this letter; see attachment A, B and C.

This approval supersedes the approval issued on 8/26/2008 under product file number 20080464.

This approval letter shall be incorporated with your previously approved plans and/or specifications approved under product file number 20080464.

The department is in no way endorsing this product or any advertising, and is not responsible for any situation which may result from its use.

Sincerely,

Jean M. MacCubbin, CST  
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